WABASH VALLEY POWER ASSOCIATION d/b/a Wabash Valley Power Alliance



Transmission Engineering Services Approved Contractors And Major Equipment Vendors

Original Document – Effective Date: 12-18-2020

All Revisions to this document will be tracked in the Revision Tracking Matrix and the document will be re-approved.

Description: List of current approved contractors and major-equipment vendors for use on WVPA Transmission Projects in the PJM Region.

Approval:

Jason Marshall

EVP Transmission & Regulatory Affairs

Date

1.0 Purpose

This document provides the list of Wabash Valley Power Association (WVPA) currently approved contractors and major-equipment vendors that provide materials and services. This list is intended to be used by Interconnection Customers exercising an option to build transmission facilities as part of an Interconnection Project in the PJM Region.

This list will be updated as needed relative to a change in or addition of a contractor once the bid has been awarded. Approved Vendors are subject to change. Therefore, customers should contact the WVPA Manager, Transmission and Substation Engineering to review the most up-to-date list.

2.0 Requirements for Transmission-Connected Facilities to be Owned and Operated by WVPA or owned by WVPA and operated by another entity under contract with WVPA.

Additional WVPA equipment specifications will apply based upon the scope and physical location of the project. Please contact the WVPA Manager, Transmission and Substation Engineering for any updates prior to procurement. Please note that detailed standards, terms and conditions, specifications, and warranty terms are available upon request as appropriate based upon current agreements

3.0 Approved Option to Build Contractors

3.1 Station and Transmission Line Engineering & Design Contractors

Black and Veatch Corporation
Burns and McDonnell Engineering Company
Commonwealth Associates Inc.
HDR Engineering, Inc.
Kiewit Engineering Group, Inc.
Power Engineers, Inc.
Sargent and Lundy, LLC
TRC Engineers, Inc.

3.2 Substation Construction Contractors

Energis, Inc.
Irby Construction Company
Kent Power
The LE Myers Company
Michels Corporation
Newkirk Electric Associates, Inc.
PAR Electrical Contractors
Vaughn Industries LLC

3.3 Transmission Line Construction Contractors

Irby Construction Company
Linetec Services
Michels Corporation
PAR Electrical Contractors Inc
Vaughn Industries LLC

3.4 Grading/Site Prep/Access Road Contractors

BC Excavating Inc.
The Beaver Excavating Company
Bobcat Heavy Civil, LLC
Cecil Goodwin Inc d/b/a Good-One Excavating
Cobalt Civil LLC
Independence Excavating Inc.
Kokosing Industrial Inc.
Kwest Group LLC
Liberty Management Inc.
Newpark Mats and Integrated Services
The Great Lakes Construction Company
Zemba Brothers

3.5 Protection and Control Field Testing and Commissioning Contractors

Alpha Relay and Protection Testing LLC
Black and Veatch
Burns and McDonnell
Electric Power Systems International Inc.
ECI-EPC Services Company
High Voltage Maintenance Corporation
Potomac Testing (EMT)
Power Grid Engineering Inc.
Premier Power Maintenance Corporation
Shermco Industries
TRC Companies Inc.

Developer must ensure that contractors are qualified for this work.

4.0 Approved Vendors for Major Equipment

4.1 Substation Equipment

4.1.1 Switches

4.1.1.1 Center Break: 15kV-230kV

Vendor	Approved Factory Locations
Pascor Atlantic Corporation	Bland, VA
Hubbell Power Systems, Inc.	Leeds, AL
Southern States	Hampton, GA

4.1.1.2 Center Break: 345kV

Vendor	Approved Factory Locations
Pascor Atlantic Corporation	Bland, VA
Southern States	Hampton, GA

4.1.1.3 Double-End Break: 230kV-500kV

Vendor	Approved Factory Locations
Alstom Grid LLC	Noventa di Plave, Italy
Pascor Atlantic Corporation	Bland, VA
Southern States	Hampton, GA

4.1.1.4 Mega-Switch (Phase to Phase Clearance): 138kV-765kV

Vendor	Approved Factory Locations
Alstom Grid LLC	Noventa di Plave, Italy

4.1.1.5 Semi-Pantograph: 345kV-765kV

Vendor	Approved Factory Locations
Alstom Grid LLC	Noventa di Plave, Italy

4.1.1.6 Vertical Break 69kV-161kV

Vendor	Approved Factory Locations
Hubbell Power Systems	Leeds, AL
Pascor Atlantic Corporation	Bland, VA
Southern States	Hampton, GA

4.1.1.7 Vertical Break: 765kV

Vendor	Approved Factory Locations
Alstom Grid LLC	Noventa di Plave, Italy
Pascor Atlantic Corporation	Bland, VA

4.1.2 Arrestors

Vendor	Approved Factory Locations	Comment
ABB Inc.	Crystal Springs, MS	All kV
Cooper Power Systems LLC	Orlean, NY	4kV-230kV
Siemens Industry Inc.	Berlin, Germany	All kV

4.1.3 Capacitor Banks

Vendor	Approved Factory Locations
Cooper Power Systems LLC	Orlean, NY
GE Grid Solutions LLC	Clearwater, FL

4.1.4 CCVTs

Vendor	Approved Factory Locations
Alstom Grid LLC	Waynesboro, GA
Trench Limited	Pickering, ON, Canada
Pfiffner Instrument Transformers LTD	Hirschthal, Switzerland

4.1.5 Circuit Breakers

4.1.5.1 Circuit Breakers: 69kV, 40kA

Vendor	Approved Factory Locations
Alstom Grid LLC	Waynesboro, GA
Siemens Industry Inc	Jackson, MS
Mitsubishi Electric Power Products Inc	Warrendale, PA

4.1.5.2 Circuit Breakers: 138kV, kA All

Vendor	Approved Factory Locations
Alstom Grid LLC	Waynesboro, GA
Siemens Industry Inc	Jackson, MS
Mitsubishi Electric Power Products Inc	Warrendale, PA

4.1.5.3 Circuit Breakers: 170kV, KA All

Vendor	Approved Factory Locations
ABB Inc	Mount Pleasant, PA
Alstom Grid LLC	Waynesboro, GA
Siemens Industry Inc	Jackson, MS
Mitsubishi Electric Power Products Inc	Warrendale, PA

4.1.5.4 Circuit Breakers: 230kV 50kA

Vendor	Approved Factory Locations
Alstom Grid LLC	Waynesboro, GA
Siemens Industry Inc	Jackson, MS

4.1.5.5 Circuit Breakers: 345kV 80kA

Vendor	Approved Factory Locations
Siemens Industry Inc	Jackson, MS
Mitsubishi Electric Power Products Inc	Warrendale, PA

4.1.5.6 Circuit Breakers: 345kV 50/63kA

Vendor	Approved Factory Locations
Alstom Grid LLC	Waynesboro, GA
Siemens Industry Inc	Jackson, MS
Mitsubishi Electric Power Products Inc	Warrendale, PA

4.1.5.7 Circuit Breakers: 500kV

Vendor	Approved Factory Locations
Alstom Grid LLC	Waynesboro, GA
Siemens Industry Inc	Jackson, MS
Mitsubishi Electric Power Products Inc	Warrendale, PA

4.1.5.8 Circuit Breakers: 765kV

Vendor	Approved Factory Locations
HICO America Sales & Technology Inc	Changwon, South Korea
Hitachi T&D Solutions Inc.	Suwanee, GA
	Hitachi City, Japan
Mitsubishi Electric Power Products Inc	Warrendale, PA
	Itami, Japan

4.1.5.9 Circuit Breakers: 765kV Reactor

Vendor	Approved Factory Locations
Alstom Grid LLC	Waynesboro, GA

4.1.6 Circuit Switchers

4.1.6.1 Capacitor Switching

Vendor	Approved Factory Locations	Comments
Alstom Grid LLC	Waynesboro, GA	145kV
Hitachi T&D Solutions Inc	Suwanee, GA	161kV
Southern States LLC	Hampton, GA	345kV

4.1.6.2 Transformer Switching: 69kV-138kV

Vendor	Approved Factory Locations
Alstom Grid LLC	Waynesboro, GA

4.1.7 GIS (Gas-Insulated Switchgear)

Vendor	Approved Factory Locations
ABB inc.	Not specific
Mitsubishi Electric Power Products Inc	Not specific

4.1.8 Line Traps

Vendor	Approved Factory Locations
GE Grid Solutions LLC	Itajuba, MG, Brazil
Trench Limited	Scarborough, ON, Canada

4.1.9 Instrument Transformers

Vendor	Approved Factory Locations
ABB Inc.	Crystal Springs, MS
GE Grid Solutions LLC	Waynesboro, GA

4.1.10 Power Transformers

4.1.10.1 Small: 69kV and Below Primary Voltage

Vendor	Approved Factory Locations
ABB Inc.	Crystal Springs, MS
Delta-Star Inc.	Lynchburg, VA
	San Carlos, CA
GE Prolec Transformers Inc.	Monterrey, Mexico
SPX Transformer Solutions, Inc.	Goldsboro, NC

4.1.10.2 Medium: 138kV Primary Voltage, 50MVA and Below

Vendor	Approved Factory Locations
ABB Inc.	Crystal Springs, MS
	South Boston, VA
Delta-Star Inc.	Lynchburg, VA
	San Carlos, CA
GE Prolec Transformers Inc.	Monterrey, Mexico
SPX Transformer Solutions, Inc.	Goldsboro, NC

4.1.10.3 Auto Transformers: 138kV-161kV Primary Voltage, 51MVA and Above

Vendor	Approved Factory Locations
ABB Inc.	Crystal Springs, MS
Hyndal	Montgomery, AL
GE Prolec Transformers Inc.	Monterrey, Mexico
SPX Transformer Solutions, Inc.	Goldsboro, NC

4.1.10.4 Auto Transformers: 230kV – 345kV Primary Voltage

Vendor	Approved Factory Locations
HICO American Sales & Technology Inc.	Changwon, South Korea
SMIT	Nijmegen, Netherlands
GE Prolec Transformers Inc.	Monterrey, Mexico

4.1.10.5 Auto Transformers: 500kV - 765kV Primary Voltage

Vendor	Approved Factory Locations
ABB	Ludvika, Sweden
HICO American Sales & Technology Inc.	Changwon, South Korea
MEPPI	Ako, Japan
Siemens Industry Inc.	Weiz, Austria
SMIT	Nijmegen, Netherlands

4.1.11 Reactors

4.1.11.1 Oil-Filled Reactors: 230kV-345kV

Vendor	Approved Factory Locations
ABB	Ludvika, Sweden
HICO American Sales & Technology	Changwon, South Korea
Inc.	
Siemens Industry Inc.	Weiz, Austria

4.1.11.2 Oil-Filled Reactors: 500kV-765kV

Vendor	Approved Factory Locations
АВВ	Ludvika, Sweden
HICO American Sales & Technology	Changwon, South Korea
Inc.	

4.2 Protection and Control Equipment

4.2.1 Relay Panels

Vendor	Approved Factory Locations
AZZ Enclosure Systems LLC	Millington, MD
Crown Technical Systems	Fontana, CA
Systems Control, a Division of Northern Star Industries, Inc.	Iron Mountain, MI

4.2.2 Battery Systems

Vendor	Approved Factory Locations
SBS LLC/Exponential Power	Not Specific
American Power Systems (APS)	Not Specific

4.3 Other Substation Equipment

4.3.1 Control Buildings

4.3.1.1 Site-Built

Vendor	Approved Factory Locations
Parkline, Inc	Eleanor, WV

4.3.1.2 Drop-In Control Modules

Vendor	Approved Factory Locations
AZZ Enclosure Systems LLC	Millington, MD
Crown Technical Systems	Fontana, MD
Systems Control, a Division of Northern Star Industries, Inc.	Iron Mountain, MI
Schweitzer Engineering Laboratories Inc.	Salem, VA – expansion units only, no base units.

4.3.2 Insulators

4.3.2.1 Polymer: 4kV-161kV

Vendor	Approved Factory Locations
Lapp Insulator	LeRoy, NY
Maclean Power Systems	Not specific
NGK-Locke Insulator	Baltimore, MD

4.3.2.2. Porcelain: 4kV-161kV

Vendor	Approved Factory Locations
Cerisol	Vila Nova de Gaia, Portugal
Gamma	Sabaneta, Colombia
Hubbell	Suzhou, China
Lapp Insulator	LeRoy, NY
SEVES PPC	Pedreira, Brazil

4.3.2.3 Porcelain: 230kV-765kV

Vendor	Approved Factory Locations
SEVES PPC	Pedreira, Brazil

4.3.4 Steel, Anchor Bolts, and Anchor Cages

Vendor	Approved Factory Locations	Comments
ASC Inc.	Tulsa, OK	
Advance Industrial Manufacturing Inc.	Grove City, OH	
DIS-TRAN	Pineville, LA	Pre-Fabricated steel, equipment and bus assemblies only
Sabre/FWT	Fort Worth, TX	
Valmont Industries, INC	Tulsa, OK Valley, NE Monterrey, Mexico Columbus, NE Hazleton, PA Jasper, TN	
V&S Schuler	Canton, OH Muskogee, OK	
FABSCO	Calumet Park, IL	Anchor bolts only, no cages

4.4 Transmission Line Equipment

4.4.1 Conductor: Bare Aluminum

Vendor	Approved Factory Locations
General Cable/Prysmian	Willamsport, PA
Nehring	Dekalb, IL
Southwire	Carrolton, GA
	Hawesville, KY

4.4.2 Conductor Hardware

4.4.2.1 Bolted Clamp

Vendor	Approved Factory Locations
Hubbell Power Systems	Leeds, AL
Lindsey	Azusa, CA
Maclean Power Systems	Pelham, Al
Salvi	Saint Etienne, France

4.4.2.2 Compression

Vendor	Approved Factory Locations
AFL Global	Duncan, SC
Burndy	Manchester, NH
DMC Power	Gardenia, CA
Hubbell Power Systems	Leeds, AL

4.4.2.3 Spacer and Armor Road

Vendor	Approved Factory Locations	
AFL Global	Duncan, SC	
Hubbell Power Systems	Leeds, AL	
MacLean Power Systems	Pelham, AL	
Preformed Line Products	Rogers, AR	
Salvi	Saint Etienne, France	

4.4.2.4 Ground Wire

Vendor	Approved Factory Locations
AFL Global	Duncan, SC
General Cable/Prysmian	Malvern, AR
Southwire	Carrolton, GA

4.4.4 Insulators

4.4.4.1 Polymer

Vendor	Approved Factory Locations	
Hubbell Power Systems	Leeds, AL	
Lapp	LeRoy, NY	
Maclean Power Systems	York, SC	
NGK-Locke	Virginia Beach, VA	

4.4.4.2 Porcelain Disc

Vendor	Approved Factory Locations
Lapp	LeRoy, NY

4.4.4.3 Toughened Glass

Hubbell	Segovia, Spain	
SEVES Sediver	Shanghai, China	
SiChuan Yibin Global Group Co LTD	Chendgu City, Sichuan Province, China	

4.4.5 Structures

4.4.5.1 Latticed Steel

Vendor	Approved Factory Locations	
Brametal	Linhares, ES, Brazil	
Locweld	Candiac QC Canada	
MITAS	Ankara, Turkey	
SAE	Monterrey, Mexico	

4.4.5.2 Tubular Steel

Vendor	Approved Factory Locations
Mello	South Bend, IN
Sabre/FWT	Alvarado, TX
	Fort Worth, TX
	Hicksville, OH
	Sioux City, IA
	Bossier City, LA
TAPP	Guadalajara, Mexico
	Monclova, Mexico
Valmont Industries	Columbus, NE
	El Dorad, KS
	Jasper, TN
	Monterrey, Mexico
	Tulsa, OK
	Port of Catoosa, OK
	Valley, NE
	Brenham, TX

4.4.5.3 Wood Poles

Vendor	Approved Factory Locations
McFarland Cascade/ Stella-Jones Corporation	Not specific

Revision Tracking Matrix

Rev.	Description of Change(s)	Date	Revised By
0	Original issue of document	12/18/2020	S. Sosbe
1	Review and update of document	5/27/2021	S. Sosbe
1	Annual Review – no changes	5/17/2022	S. Sosbe